

REMARKS

By this Amendment, Claims 1, 7 and 15-17 have been cancelled, and claims 2, 3, 8, 9, 13, 18, and 19 have been amended. Accordingly, Claims 2-6, 8-14, 18 and 19 are pending in the present application.

Applicant wishes to thank the Examiner for the indication of allowance of claim 19. Although claim 19 has been amended herein, the amendments are not intended to alter the scope of claim 19 but rather, have been made to correct inadvertent typographical errors.

Claims 1-3, 5, 7-9, 11 and 13-18 stand rejected under 35 USC §102(e) as being anticipated by U.S. Patent No. 6,590,878 to Uchida et al. Claims 4, 6, 10 and 12 stand rejected under 35 USC §103(a) as being unpatentable over Uchida et al. in view of U.S. Patent No. 5,884,148 to Biljic et al. Applicant respectfully traverses these rejections.

Claims 2-6 and Claims 8-12

Among the limitations of independent claims 2 and 8 which are neither disclosed nor suggested in the prior art of record is a wireless local loop access network which includes a memory which is readable by the base station controller and which “stores a first identifier used for identifying a subscriber in an interface protocol between said wireless local loop access network system and said public switched telephone network, a second identifier used for identifying a subscriber in a radio-signal interface protocol in said wireless local loop access network system, and data about correspondence between said first and second identifiers.”

Because the memory included in the wireless local loop access network system stores a first identifier in an interface protocol between the wireless local loop access

network system and a public switched telephone network, a second identifier in a radio interface protocol and data about correspondence between the first and second identifiers, the present invention eliminates the need for a local exchange in a public switched telephone network to take into consideration whether a subscriber is connected to the wireless local loop access network system through a radio interface. See Page 7, lines 15-23 of the present specification.

While Uchida et al. is directed to a mobile communications system, it neither teaches nor suggests that the memory readable by the mobile switching center stores a first identifier used for identifying a subscriber in an interface protocol between the wireless local loop access network system and the public switched telephone network and a second identifier used for identifying a subscriber in a radio-signal interface protocol in the wireless local loop access network system.

Uchida et al. merely teaches that the memory is used to facilitate communication between the base station and the wireless local loop, and these communications are only via a radio interface protocol. See Column 10, lines 61-63 of Uchida et al. As described in Uchida et al. at column 12, lines 27-48, the memory 67 used in the mobile switching center 5 is merely used to transfer information about a magnitude of the transmission power or an assigned time slot so as to access the target base station. Thus, the memory 67 disclosed in Uchida, et al. does not store a first identifier used for identifying a subscriber in an interface protocol between the wireless local loop access network system and the public switched telephone network and a second identifier used for identifying a subscriber in a radio-signal interface protocol in the wireless local loop access network system, as required by independent claims 2 and 8.

Biljic et al. does not remedy any of the deficiencies of Uchida et al. While Biljic et al. is directed to a wireless local loop system and method, it specifically teaches that the

base station controller comprises a transcoding and rate adaption unit which translates messages from the base station into a network-compatible format before sending them to the network switch for transmission. There is nothing within Biljic et al. which teaches, or even remotely suggests, that the memory in the base station controller stores a first identifier used for identifying a subscriber in an interface protocol between the wireless local loop access network system and the public switched telephone network and a second identifier used for identifying a subscriber in a radio-signal interface protocol in the wireless local loop access network system, as required by independent claims 2 and 8.

Therefore, even if one were to combine the teachings of Uchida et al. and Biljic et al., one would not arrive at the present invention as defined in independent claims 2 and 8. At best, the combination of Uchida et al. and Biljic et al. would produce a wireless local loop system that includes a memory readable by the base station controller that translates messages between protocols, and not a memory that stores a first identifier used for identifying a subscriber in an interface protocol between the wireless local loop access network system and the public switched telephone network and a second identifier used for identifying a subscriber in a radio-signal interface protocol. Accordingly, it is respectfully submitted that independent claims 2 and 8 patently distinguishes over the art of record.

Claims 3-6 depend either directly or indirectly from independent claim 2 and include all of the limitations found therein. Claims 9-12 depend either directly or indirectly from independent claim 8 and include all of the limitations found therein. Each of these dependent claims include additional limitations which, in combination with the limitations of the claims from which they depend, are neither disclosed nor suggested in the prior art of record. Accordingly, Claims 3-6 and 9-12 are likewise patentable.

Claims 13-14

Among the limitations of Independent Claim 13 which are neither disclosed nor suggested in the prior art of record is a method of operating a wireless local loop access network system which includes “transmitting and origination message in a radio protocol to said base station controller through said base station when a subscriber hooks a terminal off”, “accessing said data stored in said memory to obtain an address in a public switched telephone network protocol based on said origination message” and “transmitting a first message in said public switched telephone network protocol together with said address in said public switched telephone network protocol to said public switched telephone network.”

There is nothing within Uchida et al. and/or Biljic et al. which teaches or even remotely suggests that an origination message is transmitted in a radio protocol, then a memory is accessed to obtain an address in a public switched telephone network protocol, and then a first message is transmitted in the public switched telephone network protocol along with the address obtained from the memory to the public switched telephone network. Accordingly, it is respectfully submitted that independent claim 13 patently distinguishes over the art of record.

Claim 14 depends directly from independent claim 13 and includes all the limitations found therein as well as additional limitations which, in combination with the limitations of independent claim 13, are neither disclosed nor suggested in the prior art of record. Accordingly, claim 14 is likewise patentable.

Claim 18

Among the limitations of independent claim 18 which are neither disclosed nor suggested in the prior art of record is a method of operating a wireless local loop access network system which includes “said public switched telephone network transmitting a first signal to said base station controller in a public switched telephone network protocol when said public switched telephone network receives a phone call to a subscriber”; “said base station controller accessing said memory to obtain a first identifier in said public switched telephone network protocol for identifying said subscriber”; and “said base station controller transmitting a page message in a radio protocol to said base station, said page message indicating that a phone call to said subscriber has been received and including said first identifier.”

There is nothing within Uchida et al. and/or Biljic et al. which teaches or even remotely suggests a method of operating a wireless local loop access network system wherein signals are transmitted which include both a radio protocol and a public switched telephone network protocol as required by independent claim 18. In fact, inasmuch as Uchida et al. and Biljic et al. teach that transmission is carried out in either a radio protocol or a public switched telephone network protocol, and not a combination, it teaches away from the present invention as defined in independent claim 18. Accordingly, it is respectfully submitted that independent claim 18 patently distinguishes over the art of record.

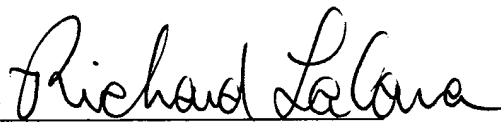
The prior art made of record and not relied upon has been carefully reviewed. It is believed that these references, either alone or combined with any other references of record, do not render the pending claims unpatentable.

In addition, Applicant had submitted separate Information Disclosure Statements on August 21, 2002 and on March 5, 2003. Applicant has yet to receive an indication that the references cited in each of these Information Disclosure Statements have been considered and made of record in the present application. Accordingly, Applicant respectfully requests that the Examiner consider the references cited in each of these Information Disclosure Statements and return an initialed copy of Applicant's PTO/SP/08-A Forms with the next communication on this matter. For the Examiner's convenience, a clean copy of each of these Information Disclosure Statements is enclosed herewith.

In view of the foregoing, favorable consideration of the Amendments to Claims 2, 3, 8, 9, 13, 18 and 19, and allowance of the present Application with Claims 2-6, 8-14, 18 and 19 is respectfully and earnestly solicited.

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Respectfully submitted,

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